

USSR/Cultivated Plants - Fruits. Berries.

Abs Jour : Raz Znur - Biol., No 10, 1953, 14272

Author : Sardarova, G.G.

Inst : Azerbaijan Scientific Research Institute for Subtropical Cultures and Horticulture.

Title : The Placement of Fertilizers into Planting Holes When Laying the Foundation of Orchard.

Orig Pub : Byul. nauchno-tekhn. inform. Azerb. n.-i. in-za subtrop. kul'tur i sadovodstva, 1957, No 1, 14-17.

Abstract : The experiments were conducted in the Kubinsk region of the Azerbaijan SSR, in 1952 when planting apple trees of the variety Renet champagne, and in 1955 when planting sweet cherry trees. Different combinations of mineral fertilizers (P, N, K) were introduced into the bottom

Card 1/2

USSR/Cultivated Plants - Fruits. Berries.

Abs Jour : Rost. Vopr. - Biol., No 10, 1958, 44272

of the pit (hole). In the variant with granular P_2O_5 humus was applied. The effect of fertilizers was studied by means of excavation and selection of all roots in the sections of the soil according to horizons - to a depth of 20 cm and in width 0.5 m each. In the experiments the depth of the pits did not exceed 60-70 cm and the width 1.5 m. Fertilizers placement during the planting of fruit cultures secured a vigorous development of roots and intensified the growth of young trees. The best doses of fertilizers are: N_{20} 0.15 kg, P_2O_5 0.3 kg, K_2O 0.05 kg and manure 15 kg. -- M.M. Gaidrikova

Card 2/2

- 133 -

SARDAROVA, G.G.; ALIYEVA, Z.A.; GILANI, A.G.

Effect of a growth promoting substance of petroleum origin on the
growth and development of apple seedlings. Dokl. AN Azerb. SSR
14 no.7:527-531 '58. (MIRA 11:8)

1. Predstavleno akademikom AN AzerSSR A.I. Karavayevym.
(Apple) (Growth promoting substances) (Petroleum industry--By-products)

SARDAROVA, G. G.

Doc Agr Sci --(diss) "Fertilizing fruit crops in Azerbaydzhan."
Moscow, 1961. 38 pp; (Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev); 200 copies; price not given; list of author's works on pp 37-38 (18 entries); (KL, 5-61 sup, 196)

L 61852-65 EWT(m)/EPF(c)/ENP(j) Pc-4/Pr-4 JAJ/EM

ACCESSION NR: AP5018352

UR/0316/65/000/002/0042/0045

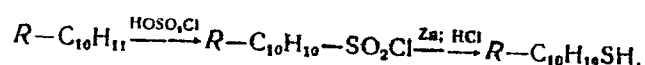
AUTHOR: Kuliyeu, A. M.; Sardarova, S. A.

TITLE: Synthesis of alkyltetrahydronaphthalenethiols

SOURCE: Azerbaydzanskiy Khimicheskiy zhurnal, no. 2, 1965, 42-45

TOPIC TASS: tetralin, organic synthesis

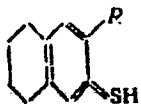
ABSTRACT: Alkyltetrahydronaphthalenethiols were synthesized according to the following general scheme



The alkyltetrahydronaphthalenes were obtained by alkylation of tetralin with alkyl halides according to Friedel-Crafts synthesis in the presence of anhydrous aluminum chloride. The structure of the synthesized compounds was verified by IR spectroscopy. The boiling points of the compounds were determined at 10, 35, and 50 mm Hg. The refractive indices were determined at 20°C. The densities were determined at 20°C. The molecular weights were determined by mass spectrometry. The elemental analyses were determined by microanalysis. The compounds were purified by distillation and gave the

L 61852-65
ACCESSION NR: AP5018352

following structure:



The yields were calculated on the basis of the original amount of alkyltetrahydro-naphthalenes. The acid numbers were determined by titration with alcoholic KOH in the presence of phenolphthalein. Orig. art. had: 1 table.

ASSOCIATION: INKhP AN Azerb. SSR

ENCL: 00

SUB CODE: OC, GC

SUBMITTED: 23Feb65

OTHER: 000

NO REF SOV: 007

Card 2/2

KULIYEV, A.M.; SARDAROVA, S.A.

Synthesis of some S-substituted thiotetralol derivatives.
Azerb.khim.zhur. no.4:10-13 '65.

(MIRA 18:12)

1. Institut neftekhimicheskikh protsessov AN AzSSR. Submitted
February 3, 1965.

I. 43927-65 EWT(m)/EWP(i)/T/EWP(t)/ETI IJP(c) JD/WW/WB/DJ/TOT
 ACC NR: AP6028572 (N) SOURCE CODE: UR/0316/66/000/003/0017/0020
 N. M. B4
 4

ACC NR: AP6028572

IJP(c) JD/WB/US/IR
 SOURCE CODE: UR/0316/66/000/003/0017/0020
 B4

ACC NR: AP6028572

AUTHOR: Kuliyev, A. M.; Sardarova, S. A.; Agayev, N. M.

AUTHOR: Kuliyev, A. M.; Sardarova, S. A.; Agayev, N. M.
ORG: Institute of the Chemistry of Additives, AN AzerbSSR (Institut khimii prisadok AN AzerbSSR)
TITLE: Effect of organic acids and study of their inhibition

ORG: Institute of the Chemistry
AN AzerbSSR)

TITLE: Synthesis of [(alkyltetralyl)thio]acetic acids and study of their inhibition
of steel corrosion

Journal no. 3, 1966, 17-20

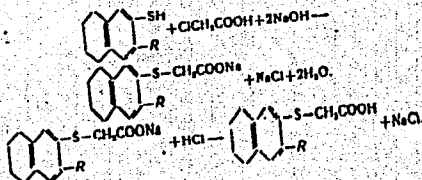
SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 3, 1966, 17-20

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 3, 1964.

TOPIC TAGS: ~~synthesis, surface active substance, steel corrosion, corrosion inhibitor~~ synthesis, surface active substance, steel corrosion, corrosion inhibitor

TOPIC TAGS: ~~hydrolysis~~,
corrosion, corrosion inhibitor

ABSTRACT: Four (tetralylthio)acetic acids have been synthesized from the tetra-
linthiols and chloroacetic acid in the presence of alkalis:



Card 1/2

L 43927-66

ACC NR: AP6028572

where R is H; C_3H_7 ; C_5H_{11} ; C_6H_{13} . The inhibiting effect of the synthesized acids on the corrosion of ST-3 steel was studied at 20C in tests lasting up to 10 hr. The experiments were conducted in a stream of a mixture of petroleum and 3% aqueous sodium chloride solution (1/10 vol ratio) saturated with hydrogen sulfide; 50, 100 or 200 mg/l of the inhibitors were used. The acids were shown to slow down the corrosion rate of steel by 52% (when R is H) to 80.5% (when R is C_3H_7 ; C_5H_{11} ; C_6H_{13}), and to reduce this rate in 10 hr tests from 5.9 to 2.8—1.2 g/m².hr. Orig. art. [B0]

SUB CODE: 07, 13/ SUBM DATE: 01Feb66/ ORIG REF: 004/ OTH REF: 002/ ATD PRESS: 5060

Card

RUDOV-KOLKER, V.; SARDARYAN, R.

Rectification of raw vinyl acetate. Prom. Arm. 5 no. 11: 54-57
N '62. (MIRA 15:12)

1. Armniikhimproyekt.
(Armenia--Vinyl acetate)
(Distillation)

DAVYDOV, A.S.; SARDARYAN, R.A.

Rotational states of odd nuclei with small nonaxiality. Zhur.
eksp. i teor. fiz. 40 no.5:1429-1433 My '61. (MIRA 14:7)

1. Moskovskiy gosudarstvennyy universitet.
(Nuclear spin)

PASHKEVICH, V. V.; SARDARYAN, R. A.

"Excited States of Non-axial Odd Atomic Nuclei."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22
Feb 64.

MGU (Moscow State Univ)

S/188/62/000/004/008,010
B108/B102

AUTHORS: Davydov, A. S., Sardaryan, R. A.

TITLE: The excited states of odd atomic nuclei with slight nonaxiality

PERIODICAL: Moscow. Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 4, 1962, 72 - 82

TEXT: The excited states of odd nuclei with ground state spin $5/2$ and $7/2$ are studied on a simple model. The system is assumed to consist of a shell having the shape of an ellipsoid of revolution and of one outer nucleon. The nuclear surface may perform slight beta and gamma vibrations. Formulas derived for this model make it possible to calculate the sequence of the spins and the energy ratio of the excited states with the aid of energy parameters. Adiabatic approximation with respect to the beta vibrations of the nuclear surface enable the formulas to be expressed in terms of one parameter for the ground-state single-particle rotational band and two parameters for the first abnormal band. From a comparison with experimental data on heavy nuclei it is inferred that several excited

Card 1/2

S/188/62/000/004/008/010
B108/B102

The excited states of odd...

states in odd nuclei are complex combinations of single-particle, rotational, and vibrational excitations. There are 3 figures and 5 tables. ✓

- ASSOCIATION: Kafedra elektrodinamiki i kvantovoy teorii (Department of Electrodynamics and Quantum Theory)

SUBMITTED: December 25, 1961

Card 2/2

SARDARYAN, R.A., inzh.

Lightweight pressure pipes in sprayers. Zashch.rast.ot vred.1
bol. 5 no.3:13-14 Mr '60. (MIRA 16:1)

1. Vsesoyuznyy institut zashchity rasteniy.
(Spraying and dusting equipment)

SARDARYAN, R.A.

Sprayer for mountain orchards. Biul.tekh.-ekon.inform. no.6:57-59
'60. (MIRA 13:8)

(Spraying and dusting equipment)

SARDARYAN, R.A.

Mechanized dusting of mountain orchards. Trudy VIZR no.14:175-182
'60. (MIRA 14:2)

(Spraying and dusting equipment)

SARDARYAN, R. A.

Cand Agr Sci - (diss) "Study of process of mechanization of ground-level spraying of mountain gardens with the purpose of agrotechnical requirements." Leningrad, 1961. 15 pp; with diagrams; (Ministry of Agriculture RSFSR, Leningrad Agr Inst); 200 copies; free; (KL, 10-61 sup, 222)

PASHKEVICH, V.V.; SARDARYAN, R.A.

Excited states of nonaxial odd atomic nuclei. Izv. AN SSSR.
Ser. fiz. 28 no.7:1188-1202 J1 '64 (MIRA 17:8)

1. Kafedra kvantovoy teorii Fizicheskogo fakul'teta Moskovskogo
gosudarstvennogo universiteta.

ACC NR: AP6026304

SOURCE CODE: UR/0288/66/000/001/0078/0086

AUTHOR: Kravchenko, A. F.; Sardaryan, V. S.

ORG: Institute of Semiconductor Physics, Siberian Department, AN SSSR, Novosibirsk
(Institut fiziki poluprovodnikov Sibirskogo Otdeleniya AN SSSR)

TITLE: Influence of impurities on the electron energy spectrum in semiconductors

SOURCE: AN SSSR. Sibirskoye otdeleniye. Izvestiya. Seriya tekhnicheskikh nauk,
no. 1, 1966, 78-86

TOPIC TAGS: electron energy spectrum, semiconductor impurity, electron energy level

ABSTRACT: An analytical expression is derived for the density of electron states in a semiconductor, for energy levels of practical interest, in a form convenient for numerical computation. The analysis is developed for a semiconductor containing (of a single type) distributed uniformly over the crystal. The presence of randomly distributed charged particles gives rise in a semiconductor to an additional electrostatic potential that varies from point to point. The field of the charged impurities is characterized by a screening potential proportional to the potential electron energy

$$v_{i,j}(r) \equiv v(r_i - r_j) = - \frac{e^2}{4\pi\epsilon_0(r_i - r_j)} e^{-\frac{|r_i - r_j|}{r_0}}, \quad (3)$$

Card 1/2

UDC: 621.315.592

ACC NR: AP6026304

where ϵ is the dielectric constant of the semiconductor, and i and j are the electron and impurity numbers, respectively. Based on this model representation, and using the Thomas-Fermi statistical method, the expression for the density of the electron states in the conduction band is obtained in the form

$$\rho(E) = Q \int_{-\infty}^E \frac{(E-t)^{1/2} e^{-\beta t}}{(\alpha + \beta t + \gamma t^2)^{1/2}} dt, \quad (20)$$

An evaluation of this integral for various electron energies leads to a relation between the density of the electron states in the conduction band and the total electron energy. The specific calculations involved in the analysis are given in appendices. The authors are indebted to I. M. Tsidil'kovskiy, V. V. Serebriakov, N. Ye. Tovmasian, and E. M. Skok for valuable discussions. Orig. art. has: 51 formulas and 1 figure.

SUB CODE: 20/ SUBM DATE: 10Jun65/ ORIG REF: 007/ OTH REF: 008

Card 2/2

L 38890-66 EWT(1) IJP(c)

ACC NR: AR6018557

SOURCE CODE: UR/0181/66/008/006/1899/1902

AUTHOR: Kravchenko, A. F.; Sardaryan, V. S.; Magarill, L. I.

ORG: Institute of Physics of Semiconductors, SO AN SSSR, Novosibirsk (Institut fiziki poluprovodnikov SO AN SSSR)

TITLE: On the phenomenological theory of the longitudinal Hall effect

SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1899-1902

TOPIC TAGS: Hall effect, cubic crystal, semiconductor conductivity

ABSTRACT: A phenomenological theory is developed for the longitudinal Hall effect in cubic crystals in the case of anisotropic relaxation time and two-band conductivity, and anisotropic dispersion. Expressions are derived for the different components of the conductivity corresponding to both spherical and anisotropic minima, neglecting intervalley transitions. Formulas are then presented for the coefficients of the generalized conductivity tensor in terms of experimentally measured quantities. In the latter case expressions are given for both the longitudinal and planar Hall effects. The results show that the longitudinal Hall field does not act on the spherical minimum, whereas the planar and ordinary Hall fields are expressed in terms of kinetic parameters of both bands, and that experimental investigation of the longitudinal Hall effect yields important information on the anisotropy of the additional minima. The authors thank V. L. Pokrovskiy for valuable remarks. Orig. art. has: 23 formulas.

SUB CODE: 20/ SUBM DATE: 02Aug65/ ORIG REF: 004/ OTH REF: 004

Card 1/1/1148

L 38874-66 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) AT/JD/JG

ACC NR: AF6018566

SOURCE CODE: UR/0181/66/008/006/1936/1938

AUTHOR: Kravchenko, A. F.; Sardaryan, V. S.

ORG: Institute of Physics of Semiconductors, SO AN SSSR, Novosibirsk (Institut fiziki poluprovodnikov SO AN SSSR)

TITLE: Contribution to the theory of the energy spectrum of the electrons of doped semiconductors

SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1936-1938

TOPIC TAGS: semiconductor theory, electron spectrum, semiconductor conductivity, conduction band, semiconductor band structure

ABSTRACT: In view of the fact that earlier studies of the influence of impurities on the energy spectrum of electrons in strongly doped semiconductors lead to various integral expressions for the state density and for the distribution "tails," which are difficult to use for quantitative estimates of the optical and kinetic characteristics of the semiconductors, the authors have obtained by the statistical Thomas-Fermi method an analytic form for the state density for three regions of energy of practical interest: a) $E \ll E_0$, b) $E \approx E_0$, and c) $E \gg E_0$ (E - energy, E_0 - bottom of band of impurity-free semiconductor). An analytic expression is readily obtained by using an integral representation of the delta function, by assuming the volume to be large ($V \rightarrow \infty$), and by choosing a potential that tends to zero quite rapidly. The results show that the density of states deep in the conduction band is

Card 1/2

L 38874-66

ACC NR: AP6018566

proportional to $E^{1/2}$, near the bottom it is proportional to E , and in the tail itself it is proportional to $\exp(-PE^2)$, in agreement with theoretical predictions. The values of the gap obtained at $n \approx 5 \times 10^{17} \text{ cm}^{-3}$ for GaSb , GaAs , InAs , and InSb are 0.02, 0.016, 0.009, and 0.03 eV, respectively. The authors thank V. L. Pokrovskiy and I. M. Tsivil'kovskiy for valuable remarks. Orig. art. has: 8 formulas.

SUB CODE: 20/ SUBM DATE: 12Jun65/ ORIG REF: 004/ OTH REF: 001

Card 2/2

KRAVCHENKO, A.F.; RZHANOV, A.V.; SARGARYAN, V.S.

Longitudinal Hall effect in cubic crystals. Dokl. AN SSSR 164
no.5:1016-1018 O '65. (MIRA 18:10)

1. Institut fiziki poluprovodnikov Sibirskogo otdeleniya AN SSSR.
2. Chlen-korrespondent AN SSSR (for Rzhakov).

L 08075-67 EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6033896

SOURCE CODE: GE/0030/66/017/002/0479/0488

AUTHOR: Kravchenko, A. F. ; Sardaryan, V. S.

ORG: Institute of Semiconductor Physics, Siberian Division, Academy of Sciences
SSSR, Novosibirsk

TITLE: The bottom structure of the conduction band in GaAs

SOURCE: Physica status solidi, v. 17, no. 2, 1966, 479-488

TOPIC TAGS: magnetoresistance, Hall effect, gallium arsenide, semiconductor physics, semiconductor, semiconductor carrier, conduction band, semiconductor band structure

ABSTRACT: The magnetoresistance and Hall effect were studied for oriented specimens of n-type gallium arsenide with carrier concentrations of 5×10^{15} to $1 \times 10^{18} \text{ cm}^{-3}$ at temperatures of 78 to 800K. Almost all samples showed anisotropy of the transverse magnetoresistance and nonvanishing longitudinal magnetoresistance. The energy position of the minima and effective mass were estimated from the temperature dependence of the Hall coefficient $\Delta W = 0.12$ to

Card 1/2

L 08075-67

ACC NR: AP6033896

0.36 eV, $m_x^* = 1.2 m_0$, $m_y^* = 1.98 m_0$, $m_z^* = 0.37 m_0$. . A model for the band structure in the vicinity of the conduction band edge was discussed, and was shown to be consistent with experimental data when anisotropy of electron scattering by weak oriented dipoles was taken into account. The authors thanked E. V. Skubnevskii for his assistance in measurements. Orig. art. has: 8 figures, 4 tables, and 13 formulas [Based on authors' abstract]

SUB CODE: 20/ SUBM DATE: 30Mar66/ ORIG REF: 012/ OTH REF: 009/ ;

Card

2/2

SARDAYEV, Ya.

RTPDm-80 thermostat. Mor.flot 21 no.2:26-27 F '61.

(MIRA 14:6)

1. Vedushchiy konstruktor Kazanskogo samostoyatel'nogo konstruktorsko-tehnologicheskogo byuro po proyektirovaniyu meditsinskikh i fiziologicheskikh priborov.
(Thermostat)

SARDAYEV, Ya.Ye., inzh.-konstruktor (g.Kazan')

Thermostat for the cooling systems of mercury-arc rectifiers.
Elek.i tepl.tiaga 5 no.11:5-6 N '61. (MIRA 14:11)
(Mercury-arc rectifiers)
(Thermostat)

SARDAYEV, Ya.Ye., inzh.

RTPDm-80 temperature regulator. Sudostroenie 28 no.3:57-58
Mr '62. (MIRA 15:4)
(Temperature regulators)

✓ 1. Investigation of the factors that influence evenness
in dyeing. I. Sellió, A. Sárdi *Magyar Textiltech-
nika*, 1959, No. 2, pp. 73-76, 4 figs.

The purpose of this investigation was to examine

SZABO, Elek; SARDI, Andras; VASAROS, Laszlo

The effect of ion-exchange on the sodic recovery of uranium ores.
Köz fiz közl MTA 9 no.5/6:341-346 '61.

SARDI, F.

6

HUNGARY

BENKO, Gyorgy, M.D., BIBOR, Zoltan, M.D., BURGER, Tibor, M.D., FABIAN, Imre, M.D., BOROS, Tibor, M.D., CZURKO, Geza, M.D., TOTI, Imre, M.D., PILTER, Andras, Senior Medical Student, and SARDI, Ferenc, Senior Medical Student, of the Complex Brigade at the Medical University (Orvostudományi Egyetem Komplexbrigádja) in Pecs. (Director: BENKO, Gyorgy, M.D.).

"Clinical Findings of the Screening Tests on the Workers in the Production Collectives in Jaras Sellye - Internal Medicine and Surgical"

Budapest, Orvosi Hetilap, Vol 104, No 19, 12 May 1963, pp. 868-872.

Abstract: The incidence and distribution of various internal and surgical diseases was described. Goiters, ulcers, hernia, hypertonia, sclerosis of the arteries, pulmonar emphysema, and motor disturbances were discussed in more detail. Seven references, including 3 Hungarian and 4 Western.

L1/1

BAKOSI, Robert, okleveles gepeszmernok; SARDI, Gyorgy, okleveles gepeszmernok

Air ducts of the passenger room of motor trains. Jarmu mezo gep
12 no.4:121-126 Ap '65.

SARDI, J.

TECHNOLOGY

KOZLEKEZESI KOZLONY (Hungary. Kozponti Szallitas' Tanacs. Budapest.)

SARDI, J. Reform of the bus and taxicab tariffs. p. 791

Vol. 14, no. 49, Dec. 1958

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 3
March 1959, Unclass

R. SARDI

"From our diary concerning the matter of labor protection." p. 17.
(TARSADALOMBIZTOSITAS ES MUNKAVEDLEM, Vol, 5, no. 1/2, Jan./Feb. 1953,
Budapest, Hungary.)

SO: Monthly List of East European Accessions, L.C., Vol. 2 No. 7, July 1953, Uncl.

SAGI, Gyorgy; KOMAROMI, Lajos; JELICSKA, Sandor; SARDI, Tibor; KIRALY, Miklos;
MARTINKO, Matyas; PAPP, Jozsef; LAKATOS, Gyorgy; MAGYAROSI, Istvan;
HAJDU, Andras

Discussion of the 3d National Conference. Ujit lap 13 no.24:6-8 D '61.

1. Csepel Vas- es Fennuvek fomernoke (for Sagi) 2. Vasas Szakszervezet
Muszaki Tanacsä Tapasztalatcsere Klubja titkara (for Komaromi)
3. Oragyar geplakatosä (for Jelicska) 4. Esredes, Magyar Nephadsereg
katonai ujitei (for Sardi) 5. Janos Korhaz ujitasi eloadoja (for Kiraly)
6. Varpalotai Szenbanyaszati Troszt (for Martinko) 7. Sutoipari Vallalat,
Kaposvar (for Papp) 8. Hirdastechnikai Ipari Kutatointezet tudomanyos
fomunkatarsa (for Lakatos) 9. Postas Szakszervezet (for Magyarosi)
10. Dunai Vasmu (for Hajdu).

POLICZER, Miklos, dr.; HAGY, Gyula, dr.; GERGELY, Imre, dr.;
SOLYMAR, Jeno, dr.; SARDI, Valeria

Value of the hydergin, or rather hydergin-prostigmine test,
in diagnosis of functional and organic diseases of the heart.
Magy. Belorv. arch. 9 no.3:77-81 June 56.

1. Kutvolgyi uti Allami Korhaz (igaz.: foorvos: Hancsok, Mariusz, dr.)
belosztalyanak (foorvos: Policzer, Miklos, dr.) kozl.

(HEART, funct. tests

hydergin-prostigmine test, evaluation in differ. diag.
of funct. & organic heart dis. (Hun))

(HEART DISEASE, differ. diag.

hydergin-prostigmine test in differentiation of funct.
& organic dis., evaluation (Hun))

S/148/60/000/009/015/025
A161/A030

AUTHORS: Vydrin, V.N., Volosnikov, V.P., Sardinskiy, N.P., and Amosov, P.N.

TITLE: Investigation of lead in a continuous merchant mill

PERIODICAL: Izvestiya vyeshikh uchebnykh zavedeniy. Chernaya metallurgiya,
no. 9, 1960, 110-115

TEXT: Theoretical lead calculation methods exist for rolling strip on smooth rollers only. The new method described permits measurements of lead on any rolling mill. It is based on measurement and comparison of distances passed by a point on the surface of the roller and a point on the surface of metal being rolled. Two electromechanical pickups (interrupters) watch the velocity of the rollers and of the strip. The pickups (Fig.1) have a collector (1) at the same axle (2) with a disc (3) with file-cut on the edge to prevent slip. The axle runs on two ball bearings in casing (5) and is fixed by the bushing (6) and cover (7), and sealed with gaskets (8 - and 9) and packing (10). The collector plates are connected to the pickup mass through the contact (11) so that the brush slides alternately over the conducting and over the idle plate when the disc rotates, and the circuit

Card 1/10

S/148/60/000/009/015/025
A161/A030

Investigation of lead ...

interrupts. The brush holder (12) is attached by means of the bracket (13). The circuit closes as many times during one revolution of the disc, as many collector plates are connected with the pickup body. Two like pickups rotating at the same velocity give the same number of pulses in a time unit, and the velocity of the two discs in contact with the roller and with the strip will differ by the value of lead. A photo shows the pickups in operation (Fig.2). Pulses from the pickups can be recorded on film with a МПО-2 (MPO-2) oscillograph, or they can be counted directly with the use of a special system. The oscillographing is simple. An oscillogram is shown (Fig.3). But the processing of measurement results is not convenient. The special counting system is an electric computer, illustrated in a block diagram (Fig.4). Voltage pulses from the two pickups МД-1 and МД-2 go into a limiting circuit ОБИ-1 or ОБИ-2 ("ogranichitel' vkhodnykh impul'sov" = input pulse limiter), for even a slight beat of the collector changes the transition resistance between it and the brush, and the pulse amplitude changes. Pulses limited in amplitude go on to amplifiers У-1 and У-2, and on to the shaping circuit ФИС consisting of a half-cycle multivibrator with cathode and anode-grid connection. Sharp output pulses from the ФИС with

Card 2/10

Investigation of lead ...

S/148/60/000/009/015/025
A161/A030

50-60 microsecond duration are the count pulses. A special control system has been built for a precise simultaneous start and end of the count from both pickups, with start push button ΠK earthing the anode voltage circuit through a high-resistance resistor. The voltage difference formed at the moment is differentiated and fed into the pulse-forming circuit ΦH , and the voltage front rises abruptly. The pulse from the ΦH is differentiated, amplified in the amplifier $Y-3$ and fed to start the control trigger YT . The excitation time of the trigger is the metering time. The trigger YT controls through the cathode follower $K\Pi$, the coincidence circuits H receiving also the pulses from the $\Phi H C$ units. The counting storage units $CHP-1$ and $CHP-2$ count pulses during the excitation time of the trigger YT . The YT is returned into the start position by again pressing the starting push button ΠK . The counting storage units are binary counters, but the counters used in experiments were decade counters (with ten series-connected triggers) permitting count $2^9 + 2^8 + 2^7 + 2^6 + 2^5 + 2^4 + 2^3 + 2^2 + 2^1 + 2^0 = 1023$ pulses. This was sufficient at a rolling speed of up to 10 m/sec and 2 sec metering time. Neon lamps are connected into the anode circuits of the triggers for fixing the excitation. The system is returned into a start position after metering

Card 3/10

Investigation of lead ...

S/148/60/000/009/015025
A161/A030

by the synchronization push-button KC through the pulse shaper ΦH , differentiating circuit AU , detector A for producing unipolar positive pulses, and the amplifier $\gamma - 4$. This return system works like the counting control system. The portion of Fig. 4 separated out by a dashed line shows the portion of the system that was absent in the described operating model, but which can easily be built. It is a system for automatic comparison of data that can produce digital readings, or readings in the form of voltage or current on a dial indicator graduated in lead units, or on an oscillograph. This automatic comparator may be in the form of a usual parallel adder working as subtractor. In this case it would be controlled from a shock oscillator excited by synchronization pulse with subsequent formation of the produced pulse series into a series of sharp pulses for controlling the operation of the adder. This effect can be obtained also with the use of any type of delay line. This comparing unit can solve the equation

$$i = \frac{100}{n_B} \Delta n\%$$

where i is the lead value in per cent; Δn - the difference of the counted

Card 4/10

Investigation of lead ...

S/148/60/000/009/015/025

A161/A030

pulse values; n_B - the number of pulses counted from the pickup on the roll. The metering error is 0.098% at maximum pulse number 1023. Experiments were carried out on the planishing stand No.9 of the mill, in rolling spring steel strip 76 x 9.5 mm. The results of pulse count are given in a table. The mean lead in normal rolling was 4.9%, the maximum 7.6%, and the minimum 2.7%. The effect of tension on the lead is shown in curves (Fig.5). At a certain degree of velocity mismatch, when the lead curve crosses the X axis, the strip slips in the rollers. The front tension increases lead, but it was produced by the No.10 stand alone in this case, and the rear tension from the stands No.1 to 8 was stronger. Conclusion: The suggested metering method permits: a) measuring and recording on oscillograph film the value and the variations of lead or lag in any rolling mill; b) to reveal slip of rolls; c) to determine the rolling diameter in rolling in grooves from the relation

$$\frac{n_{\Pi}}{n_B} = \frac{D_K}{D_S}$$

where n_{Π} - the number of pulses of the pickup on the strip; n_B - the pulses

Card 5/10

Investigation of lead ...

S/148/60/000/009/015/025
A161/A030

number from the pickup on the roll; D_g - the roll barrel diameter; D_k - the rolling diameter. There are 5 figures and 1 table.

ASSOCIATION: Chelyabinskiy politekhnicheskiy institut (Chelyabinsk Polytechnical Institute) and Chelyabinskoye otdeleniye GPI "Tyazhpromelektroproyekt" (The Chelyabinsk Branch of the GPI "Tyazhpromelektroproyekt")

SUBMITTED: 7 December 1959

Card 6/10

VOLOSNIKOV, V.P.; SARDINSKIY, N.P.

• Light pulse loop regulator for a continuous spring rolling mill.
Prom.energ. 17 no.1:38-43 Ja '62. (MIRA 14:12)
(Rolling mills)
(Governors(Machinery))

CHIZHIK, Ivan Andreyevich; kand.sel'skokhoz.nauk; SARDONIKSOV, Nikolay
Arkad'yevich, kand.sel'skokhoz.nauk; CHUBINSKIY, Vasil'y
Vasil'yevich [deceased]; BOLOGOV, G.N., red.; MOLODTSOVA, N.G.,
tekhn.red.

[Manual of practical studies in the breeding of farm animals
and specialized animal husbandry] Rukovodstvo k prakticheskim
zaniatiyam po razvedeniiu sel'skokhoziaistvennykh zhivotnykh i
chastnomu zhivotnovodstvu. Moskva, Gos.izd-vo sel'khoz.lit-ry,
1958. 324 p. (MIRA 12:4)

(Stock and stockbreeding)

SINITSYN, F.Ye.; SARDONNIKOV, N.M.

Tectonics of and prospects for finding gas and oil in the
eastern part of the Issyk-Kul' Basin. Geol. nef'ti i gaza 8
no. 1:48-53 Ja '64. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy institut.

SARDONNIKOV, N.M.; SINITSYN, F.Ye.

Features of the geological structure and the oil and gas potential of the eastern Chuyka trough. Neftegaz.geol. i geofiz. no.8:40-42 '64. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.

DIKENSHTeyN, G.Kh.; SINITSYN, F.Ye.; SARDONNIKOV, N.M.

New data on the tectonics of the Chu Depression. Dokl. AN SSSR
157 no.1:95-98 J1 '64 (MIRA 17:8)

1. Predstavleno akademikom A.L. Yanshinym.

SARDY, A.

"Simplifying the calculation of the azimuth of the pole star." p. 132.
(Földmerestani Kozlemenyek, Vol. 5, no. 3, 1953, Budapest)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress,
Feb. 1954, Unclassified

L 32140-66

ACC NR: AP6023543

SOURCE CODE: HU/0017/65/017/006/0427/0433

AUTHOR: Sardy, Andor

ORG: none

TITLE: Laboratory determination of the temperature coefficient of Horrebow levels.
Part 2

SOURCE: Geodezia es kartografia, v. 17, no. 6, 1965, 427-433

TOPIC TAGS: temperature coefficient, geodetic instrument 12

ABSTRACT: Various laboratory techniques for the determination of the temperature coefficient of Horrebow-Talcott levels were evaluated. The most suitable and most precise technique involves an equation in which the temperature coefficient is considered as an exponentially variable factor. The theoretical model used in developing the principle of the method gave results that correlated well with actual data. Means for reducing the value of the temperature coefficient were discussed. Orig. art. has: 2 figures, 13 formulas and 1 table. [JPRS]

SUB CODE: 08 / SUBM DATE: none / ORIG REF: 008 / OTH REF: 009

Card 1/1 *BLG*

UDC: 528.281

0475

1501

KELEMEN, Endre, dr.; BIRO, Imre, dr.; SARDY, Istvan, dr.

Principles of adequate administration of fluid therapy in everyday surgical practice. Orv. hetil. 103 no.39:1831-1837 30 S '62.

1. Tolna megyei Tanacs Balassa Janos Korhaza, Sebészeti osztaly.
(SURGERY, OPERATIVE) (WATER-ELECTROLYTE BALANCE)

POZSAR, Jozsef, dr.; SARDY, Istvan, dr.

Congenital extrahepatic icterus as a result of a developmental disorder. Gyermekgyógyászat 15 no.2:60-64 F'64.

1. Marcali Jarasi Tanacs korhaza (igazgato: Viczian, Antal, dr., az orvostudományok kandidátusa) Gyermekosztálynak közleménye.

*

KELEMEN, Endre, dr.; SZARKA, Jozsef, dr.; BALOGH, Jozsef, dr.; BIRO, Imre, dr.; SARDY, Istvan, dr.

An unusual case of aortic aneurysm treated by resection. Orv. hetil. 106 no.22:1031-1034 30 My'65.

1. Tolna megyei Tanacs, Balassa Janos Korhaz (igazgato-foorvos: Szentgali, Gyula, dr.); Sebészeti Osztaly (foorvos: Kelemen, Endre, dr.) es Korbonctani Intezet (foorvos: Balogh, Jozsef, dr.).

HORVATH, Mihaly, dr.; LUDVIGH, Karoly, dr.; Technikai munkatarsak: SARDY, Jozsefne; HORVATH, Mihalyne.

Comparative simultaneous peripheral oximetric and radio-circulographic studies. Orv. hetil. 106 no.30:1407-1412 25 J1'65.

1. Balatonfuredi Allami Korhaz.

URI, Jozsef,; SARDY, Lorant.

Preparation and biological investigations of quinine salt of penicillin G. Orv. hetil. 96 no.24:655-658 12 June 55.

1. A Debreceni Orvostudomány Egyetem Gyógyszertani Intézete (igazgató: Valyi Nagy T. dr. egyet. tanár) és a Hajdusági Gyógyszergyár (igazgató: Patkovszki I.) közleménye.

(PENICILLIN, derivatives,
quinine salt of penicillin G)

SARDY, I.

TAKACS, I.; URI, J.; BAZSO, J.; ~~SARDY, I.~~

Experimental basis of the therapeutic use of quinine-penicillin.
Acta physiol. hung. 11(Suppl):104-105 1957.

1. Frauenklinik und Pharmakologisches Institut der Medizinischen
Universitat und Arzneimittelfabrik Hajdusagi Debrecen.

(PENICILLIN

quinine-penicillin, blood absorp. of various prep. (Ger))

(QUININE

same)

3 AR 18, 4.

TAKACS, Istvan, dr.; URI, Jozsef, dr.; BAZSO, Janos, dr.; SARDY, Lorand

Therapeutic value of quinine-penicillin. Orv. hetil. 98 no.20:
518-522 19 May 57.

1. A Debreceni Orvostudományi Egyetem Szülészeti és Nőgyógyászati
Klinikájának (igazgató: Arvay, Sandor, dr. egyet. tanár Gyógyszertani
Intézetének (igazgató: Valyi-Nagy, Tibor, dr. egyet. tanár) és a
Hajdusági Gyógyszergyár közleménye.

(PENICILLIN

quinine-penicillin, clin. evaluation (Hun))

(QUININE

same)

POLINSZKY, Karoly, dr., a kémiai tudományok kandidátusa; MEZEY, Barna; SARDY,
Lorand; BAKOS, Miklos

Our 1961 Kossuth-prize winners. Magy kem lap 16 no.4:145-146 Ap '61.

1. Veszpremi Vegyipari Egyetem dekanja, es "Magyar Kemikusok Lapja"
szerkeszto bizottsagi tagja (for Polinszky). 2. Chinoin Gyogyszer
Vegyeszeti Termek Gyaranak fomerneke (for Mezey) 3. "Biogal"
Gyogyszergyar fomerneke (for Sardy) 4. Szerkesztosegi titkam, "Magyar
Kemikusok Lapja" (for Bakos)

*SARDYKO, V. A.

"Subdiaphragmal Abscesses Due to Gunshot Wounds," Khirurgiya, No. 4, 1948. Front ORMU
Nth Front. -c1948-.

SARDYKO, V. A.

Cand. Med. Sci.

Dissertation: "Lung and Pleural Suppurations and the Role of Penicillin in
their Treatment.

15/6/50

Acad. Med. Sci. USSR

SO Vecheryaya Moskva
Sum 71

^{A.}
SARDYKO, V.N.

Use of penicillin in the treatment of suppurative pleurisy.
Klin.med., Moskva. 29 no.1:56-61 Jan 51. (GIML 20:5)

1. Of the First Surgical Department (Director--Prof.V.R.Braytsev,
Active Member of the Academy of Medical Sciences USSR), Central
Institute for the Advanced Training of Physicians, Moscow.

SARDYKO, V. A.

Suppuration of lungs and methods of treatment Moskva, Medgiz, 1952: 142 p. (Biblioteka prakticheskogo vracha)

SARDYKO, V. A.

Free protein bodies in pulmonary abscess. Klin. med., Moskva
30 no.3:53-56 Mar 1952. (CLML 22:2)

1. Candidate Medical Sciences. 2. Of the First Surgical Department (Head -- Prof. V. R. Braytsev, Active Member of the Academy of Medical Sciences), Central Institute for the Advanced Training of Physicians, Moscow.

SARDYKO, V.A.
SARDYKO, V.A.; BELOGURCV, A.A.

Potentiated anesthesia and hypothermia in surgery of suppurative lung diseases [with summary in English]. Khirurgiia 33 no.12: 65-73 D '57. (MIRA '11:2)

1. Iz 1-y kafedry khirurgii (zav. - deystvitel'nyy chlen AMN SSSR zasluzhenyy deyatel' nauki prof. V.R.Bravtsev) Tsentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P.Lebedeva)

(LUNG DISEASES, surg.

artif. hibernation & hypothermia in suppurative lung dis.)

(HYPOTHERMIA

in surg. of suppurative lung dis., with artif. hibernation)

(HIBERNATION, ARTIFICIAL

in surg. of suppurative lung dis.)

SARDYKO, V.A., kand.med.nauk

Lymphatic cyst of the mesentery. Vest.khir. 86 no.2:97-98
'61. (MIRA 14:2)

1. Iz 1-y khirurgicheskoy kliniki (zav. - prof. V.R. Braytsev)
TSentral'nogo instituta usovershenstvovaniya vrachey.
(MESENTERY--TUMORS)

SARDYKO, V. I. •

SARDYKO, V. I. -- "The Bases of the Theory and Design of the Generators of Electromagnetic Scanning with a Discharge Diode and Extraneous Excitation." Min of Radio Engineering Industry USSR, Sci Res Inst, Leningrad, 1956. (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No 44, October 1956

SARDYKO, V.I.

Industrial television equipment. Tekh. kino i telev. no. 8:27-29
Ag '58. (MIRA 11:8)

(Television--Apparatus and supplies)

SARDYKO-BYKOVA, V.A., kard.med.nauk

Radical operations on the lungs. Vest.khir.90. no.2:135-139
(MIRA 16:7)
F'63.

1. Iz legochnogo otdeleniya (zav. - doktor med.nauk N.I.
Gerasimenko) Instituta grudnoy khirurgii (dir. - prof. S.A.
Kolesnikov, nauchnyy rukovoditel' - akademik A.N.Bakulev)
AMN SSSR.

(LUNGS--SURGERY)

SARDZHAYEV, M.

Resistance of earthquakeproof joints in large-panel buildings
to static and dynamic loads. Izv. AN Turk. SSR. Ser. fiz.-tekhn.,
khim. i geol. nauk no.6:40-46 '64. (MIRA 18:4)

1. Institut seysmestoykogo stroitel'stva Gosstroya Turkmenskoy
SSR.

M.

USSR/Cultivated Plants - Grains)

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15550

Author : A. Sardzhveladze

Inst : Field Cultivation Institute of the Academy of Sciences,
Georgian SSR.

Title : Testing the Various Dosages and Application Methods of
Mineral Fertilizers for Corn on the Podzolic Soils of
the Lowland Zone of Imeretiya.
(Ispytaniya raznykh doz i sposobov vneseniya mineral'-
nykh udobreniy pod kukuruzu na podzolistykh pochvakh v
nizmennoy zone Imeretii).

Orig Pub : Tr. in-ta polevodstva AN GruzSSR, 1956, 9, 185-199

Abstract : Experiments made in 1950 at the farm of the Zestafoni
Iron Smelting Works, and in 1951-1952 on the average
and strongly acid podzolic soil of the Adzhametskiy

Card 1/2

SARDZHVELADZE, G.P.

Technological and biochemical characteristics of improving varieties of
tea. Biokhim. chain. proizv. no.9:69-75 '62, (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut chaya i subtropicheskikh
kul'tur, Anaseuli.

(Tea—Varieties)

SARDZHVELADZE, M.V., agronom-tekhnolog

Improving the quality of black loose leaf tea. Biul. VNIICHISK
no.1:83-108 '57. (MIRA 15:5)
(Georgia--Tea research)

SARDZHVELADZE, M. V., Cand of Tech Sci -- (diss) "On the problem of improving the quality of black tea." Tbilisi, 1957, 26 pp (Georgian Agricultural Institute 1, 100 copies (KL, 31-57, 105)

SARDZHVELADZE, M.V.

Improving the quality of black loose leaf tea. Biokhim. chain. proizv.
no.9:130-136 '62. (MIRA 16:4)

1. Chayerazvesochnaya fabrika, Tbilisi.
(Tea)

MSHVIDOBADZE, A.Ye.; CHUMBURIDZE, B.I.; SARDZHVELADZE, O.V.

Fluorescence chromatographic analysis of synthetic antimalarial preparations. Aptech. delo 12 no.3:36-39 My-Je'63 (MIRA 17:2)

1. Kafedra farmatsevticheskoy khimii Tbilisskogo meditsinskogo instituta.

SARE, Rudolf, prof., doktor vet. nauk; KRUUS, A., red.; KOHU, H.,
tehn. red.

[Special and operative surgery on farm animals] Pollumajandus-
loomade eri- ja operatiivkirurgia. Tallinn, Eesti Riiklik
Kirjastus, 1962. 601 p. (MIRA 17:1)
(Veterinary surgery)

RANT, Zoran, prof. dr. inz. (Ljubljana); BIZJAK, Aleksander; SAREC, Janez

Thermodynamic diagrams for the systems $H_2O-(NH_4)_2SO_4$ and H_2O-NH_4Cl ,
Stroj vest 8 no. 4/5:95-98 0 '62.

1. Fakulteta za strojninstvo v Ljubljani. 2. Clan urednistva,
"Strojnicki vestnik" (for Rant).

SAREC, Lojze, dipl. teks. inž.

Trend in the growth of the production of textile fibers.
Tekstil Zagreb 13 no.4:304-305 Ap '64.

1. Specialist, "Jugotekstil" Enterprise, Ljubljana.

SAREC, Lojze, dipl. inz.

Cotton trade in 1963/64. Tekstil Zagreb 13 no.6:482-483 Je '64.

SARECKY, Miroslav

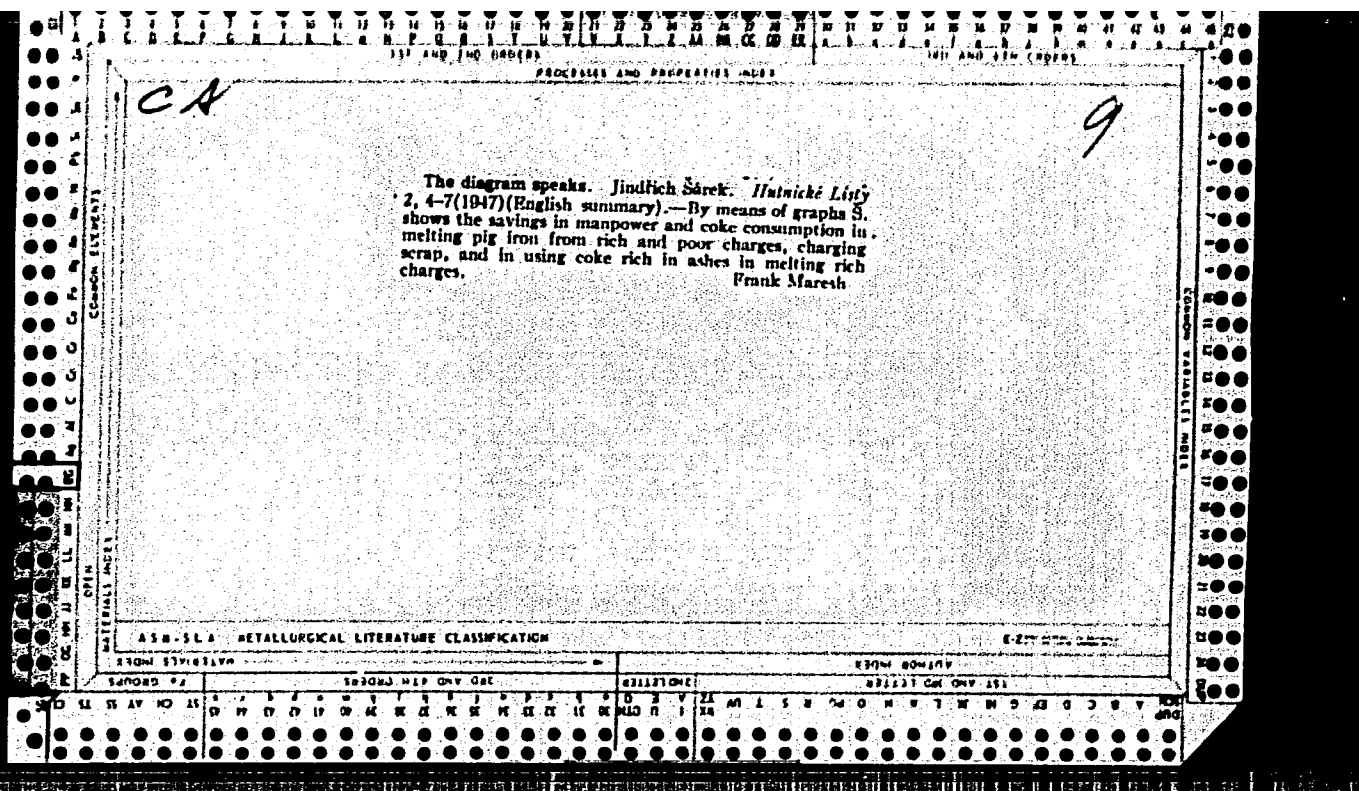
Organization of air mail transportation. Letecky obzor 7 no.10:
311 0 '63.

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
S A What Reasons Compelled the Prague Ironworks Company to Introduce Thin-Walled Blast-Furnaces? J. Sáček. (Paper read before the Iron and Steel Institute, Sept. 1930: this Journal, p. 43).																			
COMMON ELEMENTS COMMON VARIANTS INDEX COMMON ELEMENTS COMMON VARIANTS INDEX																			
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
FROM STEELWORK										FROM IRONWORK									
FROM STEELWORK										FROM IRONWORK									
FROM STEELWORK										FROM IRONWORK									

Charging the Blast-Furnace. J. Sárk. (Hutnik, 1931, vol. 3, pp. 365-369). (In Polish). In this paper the author considers chiefly the effect of variation of bell diameter on the distribution of materials in the furnace. This variation causes differences in the resistance to gas flow at different points in the horizontal section, with a consequent effect on the operation of the furnace as a whole, which could be made to work either on the walls or else up the centre. The effect of the presence of dust in the burden is also noted.

1ST AND 2ND ORDER										3RD AND 4TH ORDER									
PROCESSES AND PROPERTIES																			
S The Softening of Iron Ores in the Blast-Furnace. J. Sárk. (Hornický Vestník, 1932, vol. 14, pp. 130-131; Stahl und Eisen, 1932, vol. 52, Aug. 4, p. 784). The flow of gases in the blast-furnace is strongly influenced by the behaviour of the ore after softening. Trials were made with three kinds of Bohemian ore, a Moroccan ore, and a Swedish manganese ore. Samples of these ores were ground to the form of prisms and heated to softening point in an electric furnace and in contact with blast-furnace gas. The Swedish and Moroccan ores maintained their volume practically unchanged, but the Bohemian ores shrank to 43 per cent. of their original volume. Since these latter were found to soften at a temperature ranging about 1,080°, while the other ores did not soften below 1,180°, it is considered that the zone in which the Bohemian ores soften must lie much higher up in the blast-furnace and the permeability to the flow of gas is greater in this plastic zone. The author recommends that the ores of the higher and lower softening points should be evenly mixed so that the plastic zone within the furnace should be practically at a mean level and thus ensure an unvarying resistance to the flow of gas.																			
A S B - S L A METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND ORDER										3RD AND 4TH ORDER									
1ST AND 2ND ORDER										3RD AND 4TH ORDER									

1ST AND 2ND LETTERS		3RD AND 4TH LETTERS		5TH AND 6TH LETTERS	
PROCESSING AND PREPARATION					
1680. ECONOMIC SITE FOR A COKE-OVEN PLANT. Sanku, J. (Hutnické Listy, 1947, 1, No. 11, 241-243). The advantages of placing the coke-oven plant close to the blast-furnace are discussed. I.S.I.					
ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION					
1ST AND 2ND LETTERS		3RD AND 4TH LETTERS		5TH AND 6TH LETTERS	
1ST AND 2ND LETTERS					



5

4

Outline of the Economic Conditions in Metallurgical Production. J. Šárk. (Hornácká Listy, 1947, vol. 2, No. 2, pp. 28-30). [In Czech]. The mining and layout of old and modern ironworks are considered. The economic factors which influence the selection of the blast-furnace site, whether adjacent to the ore or the coal, are given special attention, and the conclusion is that it is advantageous to build the furnaces on the coalfield.—M. A. B.

ASB-35A - METALLURGICAL LITERATURE CLASSIFICATION

3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
										1ST AND 2ND ORDERS										3RD AND 4TH ORDERS																																																																																
ca										PROCESSING AND PROPERTIES INDEX										21																																																																																
Sulfur in coke. Jindřich Šarek. <i>Halekovič Listy</i> 3, 9-11(1944).—From old operational data of Bohemian charcoal-fired blast furnaces Š. deduces that a decrease in fuel rate and a lowering of production costs would result by running the present furnaces acid, with smaller coke S content. T. G. Giblin																																																																																																				
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION																																																																																																				
IRON-STEEL																																																																																																				
IRON-STEEL																																																																																																				
IRON-STEEL																																																																																																				

17. V-48
Jan 10, 1954
metallurgy and
metallography

SAREK, Jindrich

Blast furnace foundry pig iron with hematite. Jindrich
Sarek *Hutnické Listy* 5, 443-45 (1950) (English sum-
mary).—The preferred dense grained foundry Fe contg.
more FeO and H₂ is obtained by basic slags and increased
temp. Because of the different compn. of Fe in the central
portion of large furnaces to the Fe in the hotter periphery,
inhomogeneity is obtained. A. Langer

SAREK, J.

Fuel Abstracts
Vol. 14 No. 4
October 1953
Industrial Furnaces,
Kilns, Etc.
Combustion

✓ 3698. TWO METHODS - DRYING AND MOISTENING OF AIR BLAST. Sarek, J.
(Metn. List. (Smelting Notes), 1952, vol. 7. (12), 627, 628). It is shown
that, contrary to widely held views, a high moisture content in blast
furnace blast need not increase specific coke consumption, as the hydrogen
liberated in the endothermic decomposition of the steam contributes to the
reduction of the iron ore. Calculations in support of this view are
given, and successful long term experiments in Russian ironworks with a
blast preheated to 790°C, containing 2.44 vol. % of moisture, in which
reductions of the specific coke consumption by 1.35 to 4.37% were attained,
are mentioned. I.S.I.

Low consumption of coke in blast furnaces. Jindřich
Sárek. *Hutník Lisy 7*, 033-8(1962). Iron ore should
be enriched to remove as much SiO_2 as possible. The
consumption of coke then drops by 1.3-1.4 kg. for each

kg. of SiO_2 removed. Adds. of O_2 to the air blast also re-
duces coke consumption for the production of ferroman-
ganese, hematite, pig iron, and ferrosilicon. Provided that
a good method for making briquets (I) out of powder, ore
could be found, S. advises incorporating in I coke or coal
dust; thus com. coke is saved. Another possibility in
saving coke lies in using furnaces with low shafts; in such
furnaces fuel of lower value can be substituted for coke.

Frank J. Hendel

SAREK, J.

Use of iron from direct reduction for open-hearth steel. p. 149.
(HUTNIK, vol. 5, no. 5, May 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC, VOL. 4, NO. 11,
Nov. 1955, Uncl.

ŠÁREK, J.

✓ The Coke-Rate in Blast Furnaces, J. Šárek, (Hutnické Listy, 1955, 10, (10): 577-579). (In Czech). The amount of slag formed is considered as a function of the composition of the charge. A diagram is constructed from which the specific coke consumption can be obtained as the sum of the specific consumptions necessary to melt 1 ton of pig iron and the corresponding amount of slag. The use of such a diagram in blast-furnace practice is discussed. — P. 7.

SAKOK, JINDRICH

14436* (Czech.) The Burning of Coke in the Tuyere Region of Blast Furnaces. Spalování koksu před výfukními vysoké peci. Jindřich Sárk. *Hutník*, v. 6, no. 6, June 1956, p. 167-168.

A study of the processes taking place in the combustion areas near the tuyeres when the coke burns. The mechanism of coke movement and the gas formation in this area.

SAREK, J.

SAREK, J. Remarks on a low-shaft furnace. p. 33.

Vol. 12, no. 1, Jan. 1957

HUTNICKE LISTY

TECHNOLOGY

Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

SAREL'YEV, K.M.

Sarel'yev, K.M. "On the complex and foresighted design and construction of petroleum mining," Neft. khoz-vo, 1946, No. 11, p. 2-9

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

SAREN, V.E. (Novosibirsk)

"Investigation of aerodynamic forces of curvilinear cascade in incompressible flow at large angle of attack"

Report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow 29 Jan - 5 Feb 64.

L 33761-66 EWT(1)/EWP(m)/EWT(m)/EWP(w)/T IJP(o) WVH/WW/EM/DJ
 ACC NR: AP6010844 SOURCE CODE: UR/0421/66/000/001/0075/0083

AUTHOR: Saren, V. E. (Novosibirsk)

ORG: none

TITLE: Nonstationary flow of incompressible fluid around the lattice of thin curvilinear profiles

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 1, 1966, 75-83

TOPIC TAGS: incompressible fluid, nonsteady flow, flow profile

ABSTRACT: A lattice of thin oscillating curvilinear profiles (see fig. 1) in a potential flow of ideal incompressible fluid is considered in the complex plane. The set of profiles oscillates with small amplitude and random phases. This problem is subject to the condition of the Jukowski-Kutta criterion as well as to continuous flow at the profile surface. It is further assumed that nonstationary oscillations are damped out asymptotically. The mathematical analysis is carried out in detail; some examples are computed numerically and the resulting coefficients of aerodynamic forces are plotted. It is shown that 1) the profile curvature strongly influences the amplitude of nonstationary aerodynamic forces and 2) that with increasing angle of attack due to the mutual displacement of the profiles during oscillations, an increase in the amplitude

Card 1/2

L 33761-66

ACC NR: AP6010844

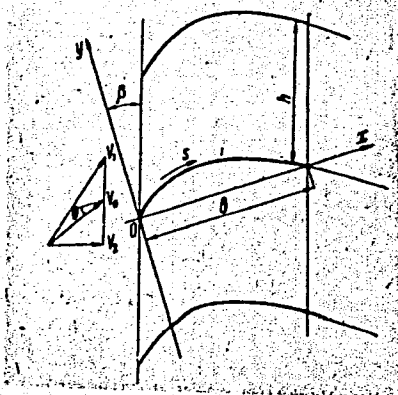


Fig. 1.

of these forces occurs. Orig. art. has: 4 figures, 19 formulas.

SUB CODE: 20/

SUBM DATE: 02Apr65/

ORIG REF: 007/

OTH REF: 001

Card 2/2 BLG

ACC NR: AP6021775

SOURCE CODE: UR/0413/66/000/012/0035/0035

INVENTOR: Adamovich, A. I.; Poznanskaya, E. M.; Fel'dman, R. M.; Sarenko, A. S.;
Mikhaylova, N. P.; Tsirlina, S. S.

ORG: None

TITLE: A method for producing diethylaminoethyl ester of diphenylacetic acid (base
of adiphenine). Class 12, No. 182715

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 35

TOPIC TAGS: drug, ester

ABSTRACT: This Author's Certificate introduces a method for producing diethylamino-
ethyl ester of diphenylacetic acid (base of adiphenine). The technological process
is simplified by interacting diethylaminoethyl chloride in an aqueous solution with
an alkali metal salt of diphenylacetic acid.

SUB CODE: 07, 11/ SUBM DATE: 15Jul64

Card 1/1

UDC; 66,095,132;615,717